# BRUHAT BANGALORE MAHANAGARA PALIKE

Dasarahalli Zone

**Name of the work: Comprehensive Development of Work in ward No;14, Bagalagunte, T.Dasarahalli Sub division**

**Number: 014-18-000057**

| Description of Work | Unit | No | Dimension L | Dimension Bl | Dimension D | Quantity | Est. Amount = Rate in Rs. | Lakhs Amount in Rs. |
|---|---|---|---|---|---|---|---|---|
| SSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. | | | | | | | | |
| SPWD S R 2018-19 | It. No. | 19.10 | | Pg.No. | 143 | | | |
| DESILTING OF DRAIN | | | | | | | | |
| Basic Rate Rs 179.00 | | | | | | | | |
| Area weightage @ 6% 10.74 | | | | | | | | |
| Lead charges for 13.3 km 91.05 | | | | | | | | |
| Total Rs 280.79 | | | | | | | | |
| **Soundarya Layout (Balaji Layout)** | | | | | | | | |
| Ch:00-110(12th Cross Road ) | | 2 | 110.00 | 0.45 | 0.40 | 39.60 | | |
| Ch:00-262 (3rd Cross) | | 2 | 262.00 | 0.45 | 0.40 | 94.32 | | |
| Ch:00-120 (1st cross) | | 2 | 120.00 | 0.45 | 0.40 | 43.20 | | |
| Cross roads | | 2 | 29.00 | 0.45 | 0.40 | 10.44 | | |
| Cross roads | | 2 | 26.00 | 0.45 | 0.40 | 9.36 | | |
| ROAD Earth WORKS Excavation | | | | | | | | |
| Ch:00-110(12th Cross Road ) | | 1 | 110.00 | 5.50 | 0.15 | 90.75 | | |
| Ch:00-262 (3rd Cross) | | 1 | 262.00 | 5.50 | 0.15 | 216.15 | | |
| Ch:00-120 (1st cross) | | 1 | 120.00 | 5.50 | 0.15 | 99.00 | | |
| Cross roads | | 1 | 29.00 | 5.50 | 0.15 | 23.93 | | |
| Cross roads | | 1 | 26.00 | 4.00 | 0.15 | 15.60 | | |
| | | | | Up.tp 125% Qty | | 642.35 | 280.79 | 1,80,364.05 |
| Compaction of original ground with maximum of 6 passes of 8 to 10 tonees power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH Chapter 3 | | | | | | | | |
| Basic Rate Rs 6.00 | | | | | | | | |
| Area weightage @ 6% 0.36 | | | | | | | | |
| Total Rs 6.36 | | | | | | | | |
| **Soundarya Layout (Balaji Layout)** | | 1 | 110.00 | 5.50 | | 605.00 | | |
| | | 1 | 37.20 | 5.50 | | 204.60 | | |
| | | | | | | 809.25 | 6.36 | 5,146.83 |

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KSRRB MH00-17. wet mix macadam Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications MORTH Specification No. 406

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|---|---|---|---|---|---|---|---|---|---|---|
| KPWD S R 2018-19 | | It. No. | 20.18 | | | Pg.No. | 155 | | | |
| Basic Rate Rs | 1888.00 | | | | | | | | | |
| Area weightage @ 6% | 113.28 | | | | | | | | | |
| Total Rs | 2001.28 | | | | | | | | | |
| Soundarya Layout (Balaji Layout) | | | | | | | | | | |
| Ch:00-110 (12th Cross Road ) | | 1 | | 110.00 | 5.50 | 0.15 | 90.75 | | | |
| Ch:00-262 (3rd Cross) | | 1 | | 262.00 | 5.50 | 0.15 | 216.15 | | | |
| Ch:00-120 (1st cross) | | 1 | | 120.00 | 5.50 | 0.15 | 99.00 | | | |
| Ch:00-120 (1st cross) | | 1 | | 29.00 | 5.50 | 0.15 | 23.93 | | | |
| Ch:00-120 (1st cross) | | 1 | | 26.00 | 4.00 | 0.15 | 15.60 | | | |
| 14th Cross road | | 2 | | 108.00 | 1.50 | 0.15 | 48.60 | | | |
| | | | | | | Qty | 494.04 | 2001.28 | 9,88,712.37 | |

KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.Clause 502 of MORTH V revision

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|---|---|---|---|---|---|---|---|---|---|---|
| KPWD Issue S.R 2020-21 | | It. No. | 21.6 | | | Pg.No. | 158 | | | |
| Basic Rate Rs | 32.00 | | | | | | | | | |
| Area weightage @ 6% | 1.92 | | | | | | | | | |
| Total Rs | 33.92 | | | | | | | | | |
| Soundarya Layout (Balaji Layout) | | | | | | | | | | |
| Ch:00-110 (12th Cross Road ) | | 1 | | 110.00 | 5.50 | | 605.00 | | | |
| Ch:00-262 (3rd Cross) | | 1 | | 262.00 | 5.50 | | 1441.00 | | | |
| Ch:00-120 (1st cross) | | 1 | | 120.00 | 5.50 | | 660.00 | | | |
| Ch:00-120 (1st cross) | | 1 | | 29.00 | 5.50 | | 159.50 | | | |
| Ch:00-120 (1st cross) | | 1 | | 26.00 | 4.00 | | 104.00 | | | |
| 14th Cross road | | 2 | | 108.00 | 1.50 | | 324.00 | | | |
| | | | | | | Total Qty | 3293.57 | 33.92 | 1,11,717.89 | |

Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.

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|---|---|
| Basic Rate Rs | 6.00 |
| Area weightage @ 6% | 0.36 |
| Total Rs | 6.36 |

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|---|---|---|---|---|---|---|---|---|---|
| Soundarya Layout (Balaji Layout) | | | | | | | | | |
| Ch:00-110 (12th Cross Road ) | | 1 | | 110.00 | 5.50 | | 605.00 | | |
| Ch:00-262 (3rd Cross) | | 1 | | 262.00 | 5.50 | | 1441.00 | | |
| Ch:00-120 (1st cross) | | 1 | | 120.00 | 5.50 | | 660.00 | | |
| Ch:00-120 (1st cross) | | 1 | | 29.00 | 5.50 | | 159.50 | | |
| Ch:00-120 (1st cross) | | 1 | | 26.00 | 4.00 | | 104.00 | | |
| 14th Cross road | | 2 | | 109.00 | 8.05 | | 1754.90 | | |
| | | | | | | Total Qty | 4723.71 | 6.36 | 30,042.80 |

KSRRB M500-10. Providing and applying tack coat using 80/100 grade Sqm bitumen(VGIO) in boiler fitted with spray set distributor at the rate of 0.25 kg per sqm on the existing prepared bituminous surface (primed surface) cleaned with mechanical broom, complete as per specifications. Clause 503 of MORTH V revision

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|---|---|---|---|---|---|---|---|---|---|
| KPWD Issue S.R 2020-21 | It. No. | 21.7. | | | Pg.No. | 158 | | | |
| Basic Rate Rs 12.00 | | | | | | | | | |
| Area weightage @ 6 % 0.72 | | | | | | | | | |
| Total Rs 12.72 | | | | | | | | | |
| Soundarya Layout (Balaji Layout) | | | | | | | | | |
| Ch:00-110 (12th Cross Road ) | | 1 | | 110.00 | 5.50 | | 605.00 | | |
| Ch:00-262 (3rd Cross) | | 1 | | 262.00 | 5.50 | | 1441.00 | | |
| Ch:00-120 (1st cross) | | 1 | | 120.00 | 5.50 | | 660.00 | | |
| Ch:00-120 (1st cross) | | 1 | | 29.00 | 5.50 | | 159.50 | | |
| Ch:00-120 (1st cross) | | 1 | | 26.00 | 4.00 | | 104.00 | | |
| 14th Cross road | | 2 | | 109.00 | 8.05 | | 1754.90 | | |
| | | | | | | Total Qty | 4723.71 | 12.72 | 60,085.59 |

KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen

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|---|---|---|---|---|---|---|---|---|---|
| KPWD Issue S.R 2020-21 | It. No. | 21.17.2 | | | Pg.No. | 160 | | | |
| Basic Rate Rs 8062.00 | | | | | | | | | |
| Area weightage @ 6 % 483.72 | | | | | | | | | |
| Total Rs 8545.72 | | | | | | | | | |
| Soundarya Layout (Balaji Layout) | | | | | | | | | |
| Ch:00-110 (12th Cross Road ) | | 1 | | 110.00 | 5.50 | 0.05 | 30.25 | | |
| Ch:00-262 (3rd Cross) | | 1 | | 262.00 | 5.50 | 0.05 | 72.05 | | |
| Ch:00-120 (1st cross) | | 1 | | 120.00 | 5.50 | 0.05 | 33.00 | | |
| Ch:00-120 (1st cross) | | 1 | | 29.00 | 5.50 | 0.05 | 7.98 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Ch:00-120 (1st cross) | | 1 | | 26.00 | 4.00 | 0.05 | 5.20 | | |
| | 14th Cross road | | 2 | | 109.00 | 1.50 | 0.05 | 16.35 | | |
| | | | | | | | Total Qty | 164.68 | 8545.72 | 14,07,309.17 |
| 8 | KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects complete as per specifications. - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % CRMB 55 (P.No.158 I.No.21.23.6) Issue Basic Rate Date:02.11.2021 to till now | | | | | | | | | |
| | KPWD Issue S.R 2020-21 | It. No. | 21.23.6 | | | Pg.No. | 158 | | | |
| | Basic Rate Rs 9617.00 | | | | | | | | | |
| | Area weightage @ 6 % 577.02 | | | | | | | | | |
| | Total Rs 10194.02 | | | | | | | | | |
| | Soundarya Layout (Balaji Layout) | | | | | | | | | |
| | Ch:00-110 (12th Cross Road ) | | 1 | | 110.00 | 5.50 | 0.04 | 24.20 | | |
| | Ch:00-262 (3rd Cross) | | 1 | | 262.00 | 5.50 | 0.04 | 57.64 | | |
| | Ch:00-120 (1st cross) | | 1 | | 120.00 | 5.50 | 0.04 | 26.40 | | |
| | Ch:00-120 (1st cross) | | 1 | | 29.00 | 5.50 | 0.04 | 6.38 | | |
| | Ch:00-120 (1st cross) | | 1 | | 26.00 | 4.00 | 0.04 | 4.16 | | |
| | 14th Cross road | | 1 | | 105.00 | 5.50 | 0.04 | 23.10 | | |
| | | | | | | | Total Qty | 141.71 | 10194.02 | 14,44,594.57 |
| 9 | KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 | | | | | | | | | |
| | KPWD S.R 2018-19 | It. No. | 24.15 | | | Pg.No. | 182 | | | |
| | Basic Rate Rs 429.00 | | | | | | | | | |
| | Area weightage @ 6 % 25.74 | | | | | | | | | |
| | Total Rs 454.74 | | | | | | | | | |
| | Soundarya Layout (Balaji Layout) | | | | | | | | | |
| | Ch:00-110 (12th Cross Road ) | | 2 | | 110.00 | 0.10 | | 22.00 | | |
| | Ch:00-262 (3rd Cross) | | 2 | | 262.00 | 0.10 | | 52.40 | | |
| | Ch:00-120 (1st cross) | | 2 | | 120.00 | 0.10 | | 24.00 | | |

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| Description of Item | Unit / Rate | Nos | Dimensions L in m | B in m | D in m | Quantity | Rate in Rs. | Total Amount in Rs |
|---|---|---|---|---|---|---|---|---|
| | | 2 | (13.52) | | | | | |
| | | 2 | (22.50) | | 0.10 | 22.50 | | |
| | | 4 | (17.84) | | 0.10 | 44.50 | | |
| | | | Total | | 0.10 | 23.57 | | |
| | | | | | | 157.09 | 454.74 | 71435 |
| | | | | | | | Sub Total | 4328740.83 |
| | | | | | | | Add 12% Towards GST Charges | 519448.90 |
| | | | | | | | Tender premium & Miscellaneous Charges | 80375.16 |
| | | | | | | | Grand Total | 5000000.00 |

Certificate

1. That the worksite inspected by me and found work is necessary.
2. That the rates are adopted based on the PWD SR of 2018-19
3. That the provisions made in the estimate are necessary and quite essential.

No of Corrections 4 Nos

Assistant Engineer
Ward No.14

Assistant Executive Engineer
Dasarahalli Sub-Division

Executive Engineer
Dasarahalli Division

ADMINISTRATIVELY SANCTIONED FOR
Rupees fifty Lakhs only
Under the Head of Account P-0190
Mayors grants
Registered as no EE(D.D)/AS/74/21-22 subject to conditions contained in Enclosed Memo No. EE/DD/AS/74/21-22 dt. 13/1/22
Exe. Engg
JE/AE. (DASARAHALLI) BBMP

Technically Sanctioned for Rs. 50.00 Lakhs
In words Rupees fifty lakhs only
Head P-0190
Job Code No 014-18-000057
Registered as CE No. 83/14-01-2022
to conditions contained in Enclosed Memo No. CE/DZ/TS/83/2021-22 dt. 14-01-2022
AE/JE: TA CE(D)